## IN THE CLAIMS:

Please amend the claims as follows:

1. (amended) A method for detecting the presence of at least one selected strain of an organism in a sample, comprising the steps of:

providing a sample that may comprise nucleic acid from at least one selected strain of an organism and nucleic acid from at least one non-selected strain of the organism;

providing a plurality of primers substantially complementary to regions of both said nucleic acid from at least one selected strain of the organism and said nucleic acid from at least one non-selected strain of the organism;

exposing said sample to at least one probe that is sufficiently complementary to a portion of said nucleic acid from at least one non-selected strain to block full length amplification of said nucleic acid from at least one non-selected strain between said plurality of primers, said at least one probe comprising a nucleic acid analog a peptide nucleic acid (PNA);

amplifying said nucleic acid from at least one selected strain between said plurality of primers; and

detecting amplification product of nucleic acid from at least one selected strain.

2. (original) The method of claim 1, wherein said at least one selected strain comprises a pathogenic strain.

- 3. (original) The method of claim 2, wherein said sample is derived from a subject and said pathogenic strain indicates a risk of cancerous growth in said subject.
- 4. (original) The method of claim 1, wherein said organism comprises human papilloma virus (HPV).
  - 5. (cancelled)
- 6. (currently amended) The method of claim 5, wherein said at least one probe is a hybrid further comprises comprising a nucleotide having a different sequence from nucleic acid other than PNA.
- 7. (original) The method of claim 1, wherein each of said at least one probe comprises at least 8 bases.
- 8. (original) The method of claim 1, wherein the step of amplifying said nucleic acid of at least one selected strain between said plurality of primers comprises conducting a reaction selected from the group consisting of a polymerase chain reaction, a ligase chain reaction, a rolling circle replication, a branched chain amplification, a nucleic acid based sequence amplification (NASBA), a Cleavase Fragment Length Polymorphism, ICAN, and RAM.

- 9. (original) The method of claim 4, wherein said regions of both said nucleic acids are parts of a region selected from the group consisting of L1, L2, E1, E6, and E7 region.
- 10. (original) The method of claim 4, wherein said at least one non-selected strain equals all the low-risk HPV strains known.
- 11. (original) The method of claim 4, wherein said at least one non-selected strain is selected from the group consisting of HPV strains 6, 11, 42, 43, and 44.
- 12. (original) The method of claim 4, wherein said at least one selected strain comprises a plurality of high-risk HPV strains.
- 13. (amended) The method of claim 4, wherein said plurality of primers comprise MY09 (SEQ. ID-\_NO. 10) and MY11 (SEQ. ID-\_NO. 11).
- 14. (original) The method of claim 4, wherein said at least one probe is selected from the group of sequences consisting of SEQ. ID. NO. 6 and SEQ. ID. NO. 7.
  - 15. (original) The method of claim 1, wherein said sample is a cervical scraping.

16. (original) The method of claim 1, wherein said step of detecting amplification product comprises in-gel electrophoresis of said product and staining said product with ethidium bromide.

17-37. (Canceled)

38. (previously added) A method for detecting the presence of at least one selected strain of human papilloma virus (HPV) in a sample, comprising:

providing a sample that may include nucleic acid from at least one selected strain of HPV and nucleic acid from at least one non-selected strain of HPV;

providing a plurality of primers substantially complementary to regions of both the nucleic acid from at least one selected strain of HPV and the nucleic acid from at least one non-selected strain of HPV;

exposing the sample to at least one probe that is sufficiently complementary to a portion of the nucleic acid from at least one non-selected strain to block full length amplification of the nucleic acid from at least one non-selected strain between the plurality of primers, the at least one probe comprising a nucleic acid analog comprising PNA;

amplifying said nucleic acid from at least one selected strain between said plurality of primers; and

detecting amplification product of nucleic acid from at least one selected strain.

- 39. (previously added) The method of claim 38, wherein the sample is derived from a subject and the selected strain indicates a risk of cancerous growth in the subject.
- 40. (amended) The method of claim 38, wherein the at least one probe is a hybrid further comprises comprising a nucleotide nucleic acid other than having a different sequence from PNA.
- 41. (amended) The method of claim 138, wherein the step of amplifying said nucleic acid of at least one selected strain between said plurality of primers comprises conducting a reaction selected from the group consisting of a polymerase chain reaction, a ligase chain reaction, a rolling circle replication, a branched chain amplification, a nucleic acid based sequence amplification (NASBA), a Cleavase Fragment Length Polymorphism, ICAN, and RAM.
- 42. (previously added) The method of claim 38, wherein the regions of both the nucleic acids are parts of a region selected from the group consisting of L1, L2, E1, E6, and E7 region.
- 43. (previously added) The method of claim 38, wherein the at least one non-selected strain comprises all known low-risk HPV strains.

- 44. (previously added) The method of claim 38, wherein the at least one non-selected strain is selected from the group consisting of HPV strains 6, 11, 42, 43, and 44.
- 45. (previously added) The method of claim 38, wherein the at least one selected strain comprises a plurality of high-risk HPV strains.
- 46. (amended) The method of claim 38, wherein the plurality of primers comprise MY09 (SEQ. ID-, NO. 10) and MY11 (SEQ. ID-, NO. 11).
- 47. (previously added) The method of claim 38, wherein the at least one probe is selected from the group of sequences consisting of SEQ. ID. NO. 6 and SEQ. ID. NO. 7.
- 48. (previously added) The method of claim 38, wherein the sample is a cervical scraping.
- 49. (previously added) The method of claim 38, wherein the step of detecting amplification product comprises in-gel electrophoresis of the product and staining the product with ethidium bromide.